

Minghang Li

List of Publications by Year in descending order

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34
papers

2,499
citations

361413

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395702

33
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docs citations

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times ranked

1766
citing authors

#	ARTICLE	IF	CITATIONS
1	Lightweight Ti ₂ CT _x MXene/Poly(vinyl alcohol) Composite Foams for Electromagnetic Wave Shielding with Absorption-Dominated Feature. ACS Applied Materials & Interfaces, 2019, 11, 10198-10207.	8.0	488
2	Mesoporous carbon hollow microspheres with red blood cell like morphology for efficient microwave absorption at elevated temperature. Carbon, 2018, 132, 343-351.	10.3	280
3	Constructing hollow graphene nano-spheres confined in porous amorphous carbon particles for achieving full X band microwave absorption. Carbon, 2019, 142, 346-353.	10.3	253
4	Ultralight MXene-Coated, Interconnected SiC _n s Three-Dimensional Lamellar Foams for Efficient Microwave Absorption in the X-Band. ACS Applied Materials & Interfaces, 2018, 10, 34524-34533.	8.0	172
5	2D carbide MXene Ti ₂ CT _x as a novel high-performance electromagnetic interference shielding material. Carbon, 2019, 146, 210-217.	10.3	161
6	Controllable synthesis of mesoporous carbon hollow microsphere twined by CNT for enhanced microwave absorption performance. Journal of Materials Science and Technology, 2020, 59, 164-172.	10.7	125
7	Constructing a tunable heterogeneous interface in bimetallic metal-organic frameworks derived porous carbon for excellent microwave absorption performance. Carbon, 2019, 148, 421-429.	10.3	100
8	Ultralight Cellular Foam from Cellulose Nanofiber/Carbon Nanotube Self-Assemblies for Ultrabroad-Band Microwave Absorption. ACS Applied Materials & Interfaces, 2019, 11, 22628-22636.	8.0	99
9	Controllable synthesis of defective carbon nanotubes/Sc ₂ Si ₂ O ₇ ceramic with adjustable dielectric properties for broadband high-performance microwave absorption. Carbon, 2019, 147, 276-283.	10.3	91
10	Ti ₃ C ₂ T _x /MoS ₂ Self-Rolling Rod-Based Foam Boosts Interfacial Polarization for Electromagnetic Wave Absorption. Advanced Science, 2022, 9, e2201118.	11.2	85
11	A sheath-core shaped ZrO ₂ -SiC/SiO ₂ fiber felt with continuously distributed SiC for broad-band electromagnetic absorption. Chemical Engineering Journal, 2021, 419, 129414.	12.7	82
12	Gelatin-derived N-doped hybrid carbon nanospheres with an adjustable porous structure for enhanced electromagnetic wave absorption. Advanced Composites and Hybrid Materials, 2021, 4, 946-956.	21.1	65
13	Reduced Graphene Oxide/Silicon Nitride Composite for Cooperative Electromagnetic Absorption in Wide Temperature Spectrum with Excellent Thermal Stability. ACS Applied Materials & Interfaces, 2019, 11, 5364-5372.	8.0	64
14	A novel SiC-based microwave absorption ceramic with Sc ₂ Si ₂ O ₇ as transparent matrix. Journal of the European Ceramic Society, 2018, 38, 4189-4197.	5.7	44
15	Electromagnetic wave absorption properties of Ti ₃ C ₂ T _x nanosheets modified with in-situ growth carbon nanotubes. Carbon, 2021, 183, 322-331.	10.3	40
16	Tunable dielectric properties of mesoporous carbon hollow microspheres via textural properties. Nanotechnology, 2018, 29, 184003.	2.6	39
17	Structure and electromagnetic properties of Ti ₃ C ₂ T _x MXene derived from Ti ₃ AlC ₂ with different microstructures. Ceramics International, 2021, 47, 13628-13634.	4.8	31
18	Additive manufacturing of nanocellulose/polyborosilazane derived CNFs-SiBCN ceramic metamaterials for ultra-broadband electromagnetic absorption. Chemical Engineering Journal, 2022, 433, 133743.	12.7	30

#	ARTICLE	IF	CITATIONS
19	In-situ growth of wafer-like Ti ₃ C ₂ /Carbon nanoparticle hybrids with excellent tunable electromagnetic absorption performance. <i>Composites Part B: Engineering</i> , 2020, 202, 108408.	12.0	29
20	Interface evolution of a C/ZnO absorption agent annealed at elevated temperature for tunable electromagnetic properties. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5305-5315.	3.8	28
21	Enhanced electromagnetic wave absorption properties of a novel SiC nanowires reinforced SiO ₂ /3Al ₂ O ₃ ·2SiO ₂ porous ceramic. <i>Ceramics International</i> , 2020, 46, 22474-22481.	4.8	20
22	Thermal stability and dielectric properties of 2D Ti ₂ C MXenes via annealing under a gas mixture of Ar and H ₂ atmosphere. <i>Functional Composites and Structures</i> , 2019, 1, 015002.	3.4	19
23	Natural wood templated hierarchically cellular NbC/Pyrolytic carbon foams as Stiff, lightweight and High-Performance electromagnetic shielding materials. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1543-1553.	9.4	19
24	Nanocellulose-polysilazane single-source-precursor derived defect-rich carbon nanofibers/SiCN nanocomposites with excellent electromagnetic absorption performance. <i>Carbon</i> , 2022, 188, 349-359.	10.3	17
25	A SiC nanowires/Ba _{0.75} Sr _{0.25} Al ₂ Si ₂ O ₈ ceramic heterojunction for stable electromagnetic absorption under variable-temperature. <i>Journal of Materials Science and Technology</i> , 2022, 125, 29-37.	10.7	17
26	Low Infrared Emissivity and Strong Stealth of Ti-Based MXenes. <i>Research</i> , 2022, 2022, .	5.7	17
27	A lightweight CNWs-SiO ₂ /3Al ₂ O ₃ ·2SiO ₂ porous ceramic with excellent microwave absorption and thermal insulation properties. <i>Ceramics International</i> , 2020, 46, 20395-20403.	4.8	16
28	Electromagnetic interference shielding Ti ₃ C ₂ T-bonded carbon black films with enhanced absorption performance. <i>Chinese Chemical Letters</i> , 2020, 31, 1026-1029.	9.0	15
29	Protein-Derived Hybrid Carbon Nanospheres with Tunable Microwave Absorbing Performance in the X-Band. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2685-2693.	4.3	14
30	Design and fabrication of silicon carbides reinforced composite with excellent radar absorption property in X and Ku band. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 435102.	2.8	13
31	Carbon nanowires reinforced porous SiO ₂ /3Al ₂ O ₃ ·2SiO ₂ ceramics with tunable electromagnetic absorption properties. <i>Ceramics International</i> , 2019, 45, 11316-11324.	4.8	9
32	A reduced graphene oxide/bi-MOF-derived carbon composite as high-performance microwave absorber with tunable dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11774-11783.	2.2	8
33	Synthesis of Siâ€‘Câ€‘N aligned nanofibers with preeminent electromagnetic wave absorption in ultra-broad band. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16966-16977.	5.5	8
34	A frequency selective surface loaded two-layer composite for tunable microwave absorption. <i>Materials Research Express</i> , 0, , .	1.6	1